

DA-2200

Professional Digital Key Control Karaoke Mixer

Excellent Features:

- > 11 Step Digital Key Controller
- > Professional Digital Echo with Repeat and Dolay Controls
- Multi-audio Control.
- > Twin Stereo Audio/Video Inputs allow Two Separate AV Sources to be used
- > Music Bass, Troble and Volume Controls
- > Microphone Master, Bass and Treble Controls
- > 19" Flack Mountable Design
- > Echo On/Off Switch on all Three Mic Charmels



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The lightning flash with arrowhead symbol, within an equilibrial triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the iterature accompanying the appliance.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.



TABLE OF CONTENTS

Caution	2
Specifications	3
Name of Parts and their Functions (Front Panel)	4
Name of Parts and their Functions (Rear Panel)	5
Basic Connections	
Troubleshooting	7

DA-2200 Professional Digital Key Control Karaoke Mixer

SPECIFICATIONS

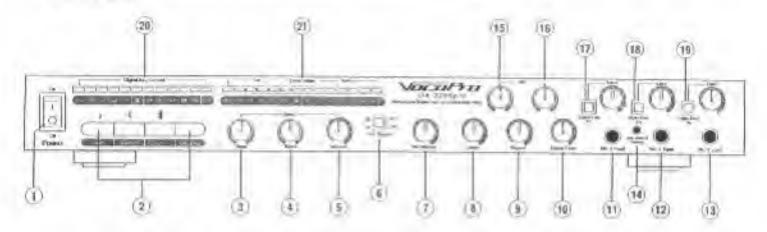
Graphic Equalizer Section

Connector	RAC / Unbalanced
Input Impodance	47k
	1 1/3 ISO Spacing
Range	+/- 150B
THO	40.01%
Frequency Response	
Noise Rutio	>50dB

Mic Section:

Connector	HS TES / Habatanend
Input Impedance	
TH.D.	10.1%
Frequency Response	29110
Noise Satio	SEGGE THACK SEG
Noise Ratio	+/-15dB
High control of the second of	+(-)300
Mid Frequency and a second sec	250 Hz-6KHz
Could Pale	
Digital Echo	Up to 300m5

Front Panel



(1) POWER BUTTON: Turns on the power to the DA 2200PRO

(2) KEY CONTROL:

Flat Key (down or |) Press this key to LOWER the pitch of the song selection being played. This teatme fowers the pitch of the song one half-step for each time it is present, to us many as tive half-steps. The flat keys part of the Key Control feature and will work with the external players when properly connected to the LA-2200PHO. Note: The Key Control feature will not change the tempo of the song being played.

Natural Key (§ .) Price the natural key cace to RETURN the pitch of song selection being played to it a natural key or pitch. The natural key is part of the Key Control feature and will work with the natural player when properly connected to the DA-2200PRO. Note: The Key Control feature will not change the tempo of the song being played.

Sharp Key (up or #) Press this key to RAISE the pitch of the song selection being played. This teature raises the pitch if the song one half — step for each time it is pressed, up to five half-steps. The sharp key is part of the Key Control feature and will work with the external player when properly connected. The Key Control feature will not changed the tempo of song being played. Multiplex: The Multiplex feature works only with discs recorded in the Multiplex format, it will delete the vocal track on Multiplex GD is or tapes.

- (3) MUSIC BASS CONTROL: This controls the amount of bass in the music being played.
- (4) MUSIC TREBLE CONTROL: This controls the amount

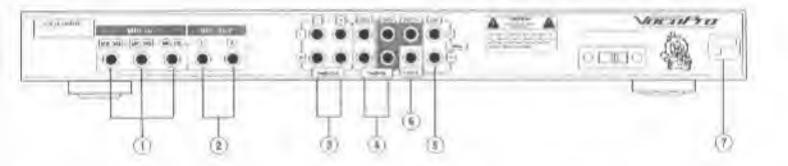
of troble in the music being played.

- (5) MUSIC MASTER: Turn left to turn down or turn aff the mource music. Turn right to turn up the naunce music.
- (6) AV SOURCE: Press the to helect both audio and video between the two input bources you wish to play. (DVD,CDG)
- (7) MRC MASTER: Use this control to adjust the overall volume of all the microphones.
- (8) MIC DELAY: Adjusts the length of each interval of the Digital Echo effect:
- (9) MIC REPEAT: Adjusts the interval repetition of the echo
- (10) MIC ECHO LEVEL CONTROL: Adjusts the Digital Echo parameters for the overall amount of digital effect on the one channels.
- (11) MRC1 INPUT: Micrephone input jack for 1st microphone.
- [12] MIC2 INPUT: Microphone input lack for 2nd microphone.
- (13) MIC3 INPUT: Microphone input fack for 3rd microphone.

- (14) KEY CONTROL REMOTE: Connection for key control microphone (changes key remotely-sold separately). On not use the remote for any other purpose as doing so may damage the unit.
- (15) MIC BASS: These controls are used to beest or cut the low frequency response of the microphones.
- (16) MIC TREBLE: These controls are used to boost or cut the high frequency response of reicrophones.
- (17) DIGITAL ECHO (ON/OFF); Turn on the Digital Echo On or Off for the mich input.

- (18) DIGITAL ECHO (ON/OFF): Turn on the Digital Echo Dn or Off for the mic2 input.
- (19) DIGITAL ECHO (ON/OFF): Turn on the Digital Echo On or Off for the mic3 Input.
- (20) STEREO KEY CONTROL DISPLAY: Displays the number of half steps up (+) or down(-) you have chesin. When the display reads zero 0 you are in the song a natural key.
- (21) LEVEL METER: Displays overall volume level from both the mass and the microphone.

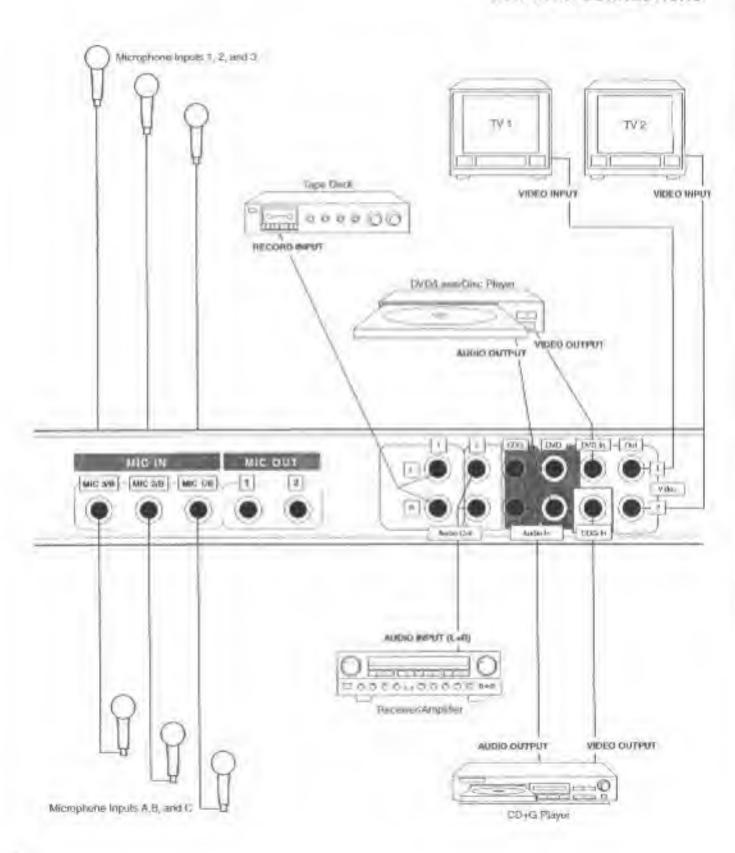
Rear Panel



- (1) REAR MICROPHONE INPUT JACKS A. B AND C: Six microphones can be connected at the same time with both the tront and rear microphone input jacks.
- (2) STEREO MICROPHONE ECHO EFFECT OUTPUT JACKS:
 - Outputs the digital echo effects without mixing the music, so the unit can work as an independent digital echo processor when connected to another mixer or a laser karaoke playor.
- (3) AUDIO OUTPUT JACKS (1 and 2): Outputs (pre-cul) the mix sound between the inicrophone and, the music, connect to the AUX/INPUT jacks of a power amplifier or a pre-amp.

- (4) AUDIO INPUT JACKS: Connect these jacks to the audio culput jacks of up to two source players. (DVD prayer, CDG player)
- (5) VIDEO OUTPUT JACKS: Connect these jacks to the Video Input jacks of up to two TV monitors.
- (6) VIDEO INPUT JACKS: Connect these jacks to the sideo output jacks of up to two source players) (DVD player, CDG player.)
- (7) VOLTAGE SELECTOR: Use these selectors to select between different input voltage, 110V — For U.S. Systems, 220V — For European Systems.

Rear Panel CONNECTIONS



TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
1. No Sound	NNa Pawer	*Connect the power cord and turn on the power.
	* Music of microphoné level is set too low	*fum up the music volume for both the right and half channuls (see 2 of page 2 of the market) or two up the master nucrophone volume (see 5 of page 2 of the manual) or turn up the individual microphone level controls (see 9 of page 2 of the manual).
	¥ Input source not perioned correctly	VS select to the proper input treen the input sources selector (see 11 of page 2 of the menous):
	# Fernation / AMR rich sussefund convectly.	WCheck the receiver's input switch and make sure a is switch properly. Then han up the resume of the incover
	Winderquarty committed	VCheck the commedians page of the manual, make sure that all the liquids and extipide are properly connected.
2. Vocal sound distorted	is The mitingphone is parametric requelient en- viol peopeny	What the microphome's High and Low EQ. at modile, and turn the Mid-EQ to max. Then used into the recrophone, and adjust the Mid-sweep until the desire frequency of the vocal as found. Turn down the Mid-EQ., sing into the microphone again, and turn up of down the high and Low EQ, until the desire vocal yound is found.
Music can only be heard from one side of the speaker	A One side of the music level is not turn on	Within an both sides of the music values by sliding buth music layer control up.
Vocal can only be heard from one side of the speaker	N The microphone pan comtrol is set to one side.	Villariv the imicrophone part control to the curver.
5. No echo	V Exha ordall button is all oil passion.	Vitum on the eachs on/all butlon.
6. The guided vocal can not be cancelled	V The CD or tape is not a Karaoko Multiplex disc of tape.	VCheck and make sure it is a karaoke disc or tope.